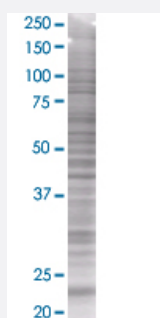


# MRPS27 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00023107-T01

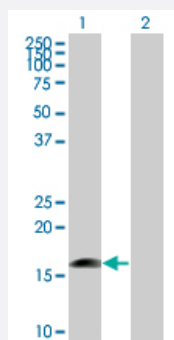
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPS27 transfected lysate.



### Western Blot

Lane 1: MRPS27 transfected lysate ( 19 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-MRPS27 full-length

**Host** Human

**Theoretical MW (kDa)** 18.59

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-MRPS27 antibody ([H00023107-B01](#)) by Western Blots.

SDS-PAGE Gel  
MRPS27 transfected lysate.

Western Blot  
Lane 1: MRPS27 transfected lysate ( 19 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — MRPS27

**Entrez GeneID**[23107](#)**GeneBank Accession#**[BC030521](#)**Protein Accession#**[AAH30521](#)**Gene Name**

MRPS27

**Gene Alias**

FLJ21764, FLJ23348, KIAA0264, MRP-S27, S27mt

**Gene Description**

mitochondrial ribosomal protein S27

**Gene Ontology**[Hyperlink](#)**Gene Summary**

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that may be a functional partner of the death associated protein 3 (DAP3). [provided by RefSeq]

**Other Designations**

mitochondrial 28S ribosomal protein S27